Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A system embodied on a tangible computer readable medium for generating an optimized binary representation of an object tree, comprising:

an input interface to receive markup language information corresponding to an object tree;

a mapping engine, the mapping engine communicating with the input interface to receive the markup language information and generate an optimized binary representation of the markup language information, wherein the ~~optimization~~ optimized binary representation comprises ~~optimizing a binary representation by at least one of indexing the~~ elements including an indexed first instance of a novel object ~~type~~ type, ~~in the binary representation, and embedding an~~ a first identifier ~~in the binary representation~~ to invoke an associated loader, and a second identifier identifying one or more classes associated with at least one object of the object tree; and

an output ~~interface,~~ interface communicating with the mapping engine, the output interface exposing the optimized binary representation to external resources and transmitting the optimized binary representation to a client machine, wherein each of the elements are used to reconstruct the object tree on the client machine.

2. (Previously Presented) The system according to claim 1, wherein the markup language information comprises extensible application markup language information.

3. (Previously Presented) The system according to claim 1, wherein the object tree corresponds to user interface elements.

4. (Currently Amended) The system according to claim 1, wherein ~~the optimization further comprises optimizing~~ the optimized binary representation further comprises ~~by encoding~~ encoded dimension information ~~in the binary representation~~.

5. (Previously Presented) The system according to claim 4, wherein the dimension information comprises at least one of a length field and a width field.

6. (Previously Presented) The system according to claim 1, wherein the output interface comprises a serial interface.

7. (Currently Amended) The system according to claim 6, wherein the serial interface communicates a serialized binary representation to ~~a~~ the client machine.

8. (Previously Presented) The system according to claim 1, wherein the external resources to which the binary representation is exposed comprise application programming interfaces.

Claims 9-10 (Cancelled).

11. (Currently Amended) A method of generating an optimized binary representation of an object tree, comprising:

receiving markup language information corresponding to an object tree;

generating an optimized binary representation of the markup language information, wherein the ~~optimization~~ optimized binary representation comprises ~~optimizing a binary representation by at least one of indexing the~~ elements including an indexed first instance of a novel object ~~type~~ type, ~~in the binary representation, and embedding an~~ a first identifier ~~in the binary representation~~ to invoke an associated loader, and a second identifier identifying one or more classes associated with at least one object of the object tree; ~~and~~

exposing the optimized binary representation to external ~~resources.~~ resources; and

transmitting the optimized binary representation to a client machine, wherein each of the elements are used to reconstruct the object tree on the client machine.

12. (Previously Presented) The method according to claim 11, wherein the markup language information comprises extensible application markup language information.

13. (Previously Presented) The method according to claim 11, wherein the object tree corresponds to user interface elements.

14. (Currently Amended) The method according to claim 11, wherein ~~the optimization further comprises optimizing~~ the optimized binary representation further comprises ~~by encoding~~ encoded dimension information ~~in the binary representation~~.

15. (Previously Presented) The method according to claim 11, wherein the step of exposing comprises exposing the optimized binary representation via a serial interface.

16. (Previously Presented) The method according to claim 11, wherein the external resources to which the binary representation is exposed comprise application programming interfaces.

17. (Currently Amended) An optimized binary representation of an object tree embodied on a tangible computer readable medium, the optimized binary representation being generating according to a method of:

receiving markup language information corresponding to an object tree;

generating an optimized binary representation of the markup language information, wherein the ~~optimization~~ optimized binary representation comprises ~~optimizing a binary representation by at least one of indexing the~~ elements including an indexed first instance of a novel object ~~type~~ type, ~~in the binary representation, and embedding an~~ a first identifier ~~in the binary representation~~ to invoke an associated loader, and a second identifier identifying one or more classes associated with at least one object of the object tree; ~~and~~

exposing the optimized binary representation to external ~~resources.~~ resources; and

transmitting the optimized binary representation to a client machine, wherein each of the elements are used to reconstruct the object tree on the client machine.

18. (Previously Presented) The optimized binary representation according to claim 17, wherein the markup language information comprises extensible application markup language information.

19. (Previously Presented) The optimized binary representation according to claim 17, wherein the object tree corresponds to user interface elements.

20. (Currently Amended) ~~An~~ The optimized binary representation according to claim 17, wherein ~~the optimization further comprises optimizing~~ the optimized binary representation further comprises ~~by encoding~~ encoded dimension information ~~in the binary representation~~.

21. (Previously Presented) The optimized binary representation according to claim 17, wherein the step of exposing comprises exposing the optimized binary representation via a serial interface.

22. (Previously Presented) The optimized binary representation method according to claim 17, wherein the external resources to which the binary representation is exposed comprise application programming interfaces.

Claims 23-28 (Cancelled)

29. (Currently Amended) ~~A computer readable medium, the computer readable medium being readable to execute~~ A computer readable medium having a tangible component and computer-usable instructions stored thereon for performing a method of generating an optimized binary representation of an object tree, the method comprising:

receiving markup language information corresponding to an object tree;

generating an optimized binary representation of the markup language information, wherein the ~~optimization~~ optimized binary representation comprises ~~optimizing a binary representation by at least one of indexing the~~ elements including an indexed first instance of a novel object ~~type~~ type, ~~in the binary representation, and embedding an~~ a first identifier ~~in the binary representation~~ to invoke an associated loader, and a second identifier identifying one or more classes associated with at least one object of the object tree; ~~and~~

exposing the optimized binary representation to external ~~resources.~~ resources; and

transmitting the optimized binary representation to a client machine, wherein each of the elements are used to reconstruct the object tree on the client machine.

30. (Previously Presented) The computer readable medium according to claim 29, wherein the markup language information comprises extensible application markup language information.

31. (Previously Presented) The computer readable medium according to claim 29, wherein the object tree corresponds to user interface elements.

32. (Currently Amended) The computer readable medium according to claim 29, wherein ~~the optimization further comprises optimizing~~ the optimized binary representation further comprises ~~by encoding~~ encoded dimension information ~~in the binary representation~~.